

We claim:

1. A conductive material comprising:
at least two crystallized electron pairs; and
- 5 a matrix comprising positive charges, each of said crystallized electron pairs
having charge $-2e$ and spin 1.
2. A method for producing a conductive material, comprising the steps of:
 - (a) forming an initial molecular medium comprising chemical precursors of a
 - 10 charge transfer complex;
 - (b) adding a doping agent;
 - (c) permitting said precursors and said doping agent to form a charge transfer
complex having at least one positively charged group and at least one negatively charged
group, said positively charged group close to said negatively charged group, forming at
 - 15 least one charge transfer complex in a matrix; and
 - (d) separating said positively charged group and said negatively charged group.